

## Data sheet

CP 342S IBS, dual INTERBUS master SPEED-Bus (342-2IA71)

## **Technical data**

Speed	Order no.	342-2IA71
Note - Peatures - Dual INTERBUS master SPEED-Bus 2. RS-422	Туре	CP 342S IBS, dual INTERBUS master SPEED-Bus
Features    Pacitives   SPEED-Bus   SPEED-	General information	
SPEED-Bus   2x RS422   Diagnostic value (2x RJ45)   Diagnostic device (2x RJ45)   Diagnostic d	Note	-
Current consumption/power loss Current consumption from backplane bus 1 A Power loss 4.5 W  Status information, alarms, diagnostics Status display yes Interrupts no Process alarm no Diagnostic interrupt no Diagnostic interrupt no Diagnostic information read-out none Supply voltage display yes Group error display yes Group error display yes Channel error display none  Functionality Sub-D interfaces Type X2 Type of interface R5422 Connector Sub-D .9-pin, female Electrically isolated yes MPI	Features	SPEED-Bus 2x RS422 Diagnostic via LEDs Diagnostic device (2x RJ45) Dual Port Master
Current consumption from backplane bus 4.5 W  Status information, alarms, diagnostics  Slatus display yes Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostic functions no Diagnostic information read-out none Supply voltage display yes Group error display yes Channel error display none  Functionality Sub-D interfaces  Type X2 Type of Interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes Point-to-point interface - SV DC Power supply -  Type I X3 Type I X4 Type I X5 Type I X6 Type I X6 Type I X7 Type I X7 Type I X8 Type I Interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes Electrically isolated yes Electrically isolated yes Type I X8 Type I MPI I PYPE I X8 Type I MININGENERAL SUB-D, 9-pin, female Electrically isolated yes MPI I PYPE I X8 Type I MININGENERAL SUB-D, 9-pin, female Electrically isolated yes MPI I PYPE I PY	SPEED-Bus	yes
Power loss	Current consumption/power loss	
Status information, alarms, diagnostics  Status display yes Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostic functions no Diagnostic information read-out none Supply voltage display yes Group error display yes Channel error display none  Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Current consumption from backplane bus	1 A
Interrupts   no	Power loss	4.5 W
Interrupts no Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostic shormation read-out none Supply voltage display yes Group error display none  Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes WPPI (MPURS232) Type X3 Type X3 Type A3 Type A3 Type A3 Type A5 Type A	Status information, alarms, diagnostics	
Process alarm no Diagnostic interrupt no Diagnostic functions no Diagnostic functions no Diagnostics information read-out none Supply voltage display yes Group error display yes Channel error display none Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Status display	yes
Diagnostic interrupt no Diagnostic functions no Diagnostic functions Diagnostics information read-out none Supply voltage display yes Group error display yes Channel error display none Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Interrupts	no
Diagnostic functions no Diagnostics information read-out none Supply voltage display yes Group error display yes Channel error display none Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI	Process alarm	no
Diagnostics information read-out Supply voltage display yes Group error display yes Channel error display none  Functionality Sub-D interfaces Type X2 Type of interface RS422 Connector Sub-D, 9-pin, female Electrically isolated yes MPI Type of ower supply Type SX Type SX Type SX Type Sub-D, 9-pin, female	Diagnostic interrupt	no
Supply voltage display Group error display Channel error display none  Functionality Sub-D interfaces  Type X2 Type of interface RS422 Connector Electrically isolated MPI	Diagnostic functions	no
Group error display yes Channel error display none  Functionality Sub-D interfaces  Type X2  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Point-to-point interface -  5V DC Power supply  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated and max. 90mA non-isolated  24V DC Power supply  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -	Diagnostics information read-out	none
Channel error display none  Functionality Sub-D interfaces  Type X2  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated  Type of interface -  Sub-D, 9-pin, female -  Electrically isolated yes  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Dint-to-point interface -  Sub-D, 9-pin, female	Supply voltage display	yes
Functionality Sub-D interfaces           Type         X2           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Group error display	yes
Type of interface  Connector  Electrically isolated  MPI  Point-to-point interface  Type of interface  Connector  Electrically isolated  WBPI  Type interface  Connector  Electrically isolated  MPI  Type interface  Connector  Sub-D, 9-pin, female  Electrically isolated  MPI  ABPI (MPI/RS232)  Foint-to-point interface  Type of interface  Connector  Sub-D, 9-pin, female  Electrically isolated  Type of interface  Electrically isolated  Type of interface  Type of interf	Channel error display	none
Type of interface  RS422  Connector  Sub-D, 9-pin, female  Electrically isolated  yes  MPI  -  MP2I (MPI/RS232)  Point-to-point interface  5V DC Power supply  Type  X3  Type of interface  RS422  Connector  Sub-D, 9-pin, female  X3  Type of interface  RS422  Connector  Sub-D, 9-pin, female  Electrically isolated  yes  MPI  -  MP2I (MPI/RS232)  Point-to-point interface  5V DC Power supply  Type  Type of interface  RS422  Connector  Sub-D, 9-pin, female  Electrically isolated  yes  MPI  -  MP2I (MPI/RS232)  Point-to-point interface  -  5V DC Power supply  max. 90mA isolated and max. 90mA non-isolated	Functionality Sub-D interfaces	
Connector       Sub-D, 9-pin, female         Electrically isolated       yes         MPI       -         MPI (MPI/RS232)       -         Point-to-point interface       -         5V DC Power supply       max. 90mA isolated and max. 90mA non-isolated         24V DC Power supply       -         Type       X3         Type of interface       RS422         Connector       Sub-D, 9-pin, female         Electrically isolated       yes         MPI       -         MP2I (MPI/RS232)       -         Point-to-point interface       -         5V DC Power supply       max. 90mA isolated and max. 90mA non-isolated	Туре	X2
Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated  24V DC Power supply -  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MPI (MPI/RS232) -  Point-to-point interface -  5V DC Power supply  max. 90mA isolated and max. 90mA non-isolated	Type of interface	RS422
MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP2I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Connector	Sub-D, 9-pin, female
MP²I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated           24V DC Power supply         -           Type         X3           Type of interface         RS422           Connector         Sub-D, 9-pin, female           Electrically isolated         yes           MPI         -           MP²I (MPI/RS232)         -           Point-to-point interface         -           5V DC Power supply         max. 90mA isolated and max. 90mA non-isolated	Electrically isolated	yes
Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated  24V DC Power supply -  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MPI	-
5V DC Power supply  -  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MP²I (MPI/RS232)	-
24V DC Power supply  Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Point-to-point interface	-
Type X3  Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	5V DC Power supply	max. 90mA isolated and max. 90mA non-isolated
Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	24V DC Power supply	-
Type of interface RS422  Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI -  MP²I (MPI/RS232) -  Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated		
Connector Sub-D, 9-pin, female  Electrically isolated yes  MPI - MP²I (MPI/RS232) - Point-to-point interface 5V DC Power supply Sub-D, 9-pin, female yes  -  supply  max. 90mA isolated and max. 90mA non-isolated	Туре	X3
Electrically isolated     yes       MPI     -       MP²I (MPI/RS232)     -       Point-to-point interface     -       5V DC Power supply     max. 90mA isolated and max. 90mA non-isolated	Type of interface	RS422
MPI	Connector	Sub-D, 9-pin, female
MP2I (MPI/RS232) - Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	Electrically isolated	yes
Point-to-point interface -  5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MPI	-
5V DC Power supply max. 90mA isolated and max. 90mA non-isolated	MP²I (MPI/RS232)	-
	Point-to-point interface	-
24V DC Power supply -	5V DC Power supply	max. 90mA isolated and max. 90mA non-isolated
	24V DC Power supply	-

## **YASKAWA**

Functionality RJ45 interfaces	
Туре	DIAG 1
Type of interface	
Connector	RJ45
Electrically isolated	
PG/OP channel	
Number of connections, max.	-
Productive connections	-
Fieldbus	-
Туре	DIAG 2
Type of interface	-
Connector	RJ45
Electrically isolated	
PG/OP channel	
Number of connections, max.	-
Productive connections	
Fieldbus	-
Housing	
Material	PPE
Mounting	DIN rail SPEED-Bus
Mechanical data	
Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Net weight	260 g
Weight including accessories	-
Gross weight	-
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	-
KC certification	-